AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1. (Currently Amended): A fuel management system for a working machine (1), comprising:

a working machine (1);

a server (10); and

a user terminal (20),

wherein:

said working machine comprises:

tank contents amount measurement means (11B) which measures a volume contained in a fuel tank (81) of said working machine (1);

tank contents weight measurement means (11C) which measures weight of the contents in said fuel tank (81);

operational value measurement means (11A) which measures a predetermined operational value related to fuel consumption operation of said working machine (1); and

a communication controller (13) which transmits, to said server, machine information including a volume value of said contents measured by said tank contents amount measurement means (11B) and a measurement value measured by said operational value measurement means (11A);

said server comprises:

a communication control unit (41) which receives said machine information from said working machine;

remaining fuel volume calculation means (54) which calculates ~~operating hours of said working machine~~ an expected remaining fuel volume value, which is an amount of remaining fuel which ought to be present within said fuel tank (81) based on the measurement value measured by said operational value measurement means (11A) included in said machine information, ~~obtains a volume value of fuel which ought to have been consumed by said working machine (1) with reference to a fuel consumption table (92) based on said operating hours, subtracts said volume value of fuel which ought to have been consumed by said working machine (1) from a volume value stored in a previous time volume storage section (43), and calculates an expected remaining fuel volume value, which is an amount of remaining fuel which ought to be present within said fuel tank (81)~~;

volume comparison means (55) which compares said volume value of contents which has been measured by the tank contents amount measurement means (11B) included in said machine information, with said expected remaining fuel volume value which has been calculated by said remaining fuel amount calculation means (54); [[and]]

remaining fuel weight calculation means (56) for calculating an expected remaining fuel weight, which is weight of the remaining fuel which ought to be present within said fuel tank (81), based on the volume of said contents which has been measured by said tank contents

amount measurement means (11B) included in said machine information, and on a specific

gravity of said fuel;

weight comparison means (57) which compares the weight of said contents which has

been measured by said tank contents weight measurement means (11C) included in said machine

information, with said expected remaining fuel weight which has been calculated by said

remaining fuel weight calculation means (56); and

alarm issue means (58) which issues an alarm to said user terminal (20) in response to

said volume comparison means (55) and said weight comparison means (57),

~~when said communication control unit (41) transmits said alarm to said user terminal~~

~~(20), said user terminal (20) displays contents of said alarm on a display screen~~

wherein

said alarm issue means (58) issues an alarm to said user terminal (20) when said volume

value of contents which has been measured by the tank contents amount measurement means

(11B) does not agree with said expected remaining fuel volume value, whereby a user can detect

that fuel in the fuel tank(81) has been stolen, and

said alarm issue means (58) issues an alarm to said user terminal (20) when the weight of

contents which has been measured by the tank contents weight measurement means (11C) does

not agree with said expected remaining fuel weight value, whereby the user can detect that

foreign matter has been mixed in said fuel tank (81).

2. (Previously Presented): The fuel management system according to Claim 1, further comprising refueling amount determination means (53, 59) included in the server which, when refueling of said fuel tank (81) is actually executed or when scheduled to be executed, obtains an actual or scheduled refueling amount, wherein,

said remaining fuel amount calculation means (54) calculates said expected remaining fuel amount, based on the measurement value from said operational value measurement means (11A), and said refueling amount which has been obtained by said refueling amount determination means (53, 59).

3. (Cancelled):

4. (Original) The fuel management system according to Claim 1 or Claim 2, wherein said operational value measurement means calculates or measures a fuel injection amount of an engine of said working machine (1), and

said remaining fuel amount calculation means (54) calculates a fuel consumption amount of said working machine (1) from said fuel injection amount which has been calculated or measured by said operational value measurement means (11A), and calculates said expected remaining fuel amount from said fuel consumption amount which has thus been calculated.

5-8. (Cancelled):

9. (Original): The fuel management system according to Claim 1, wherein, immediately after said working machine (1) starts and immediately after said working machine (1) stops, said tank contents amount measurement means (11B) measures the amount of said contents while said operational value measurement means (11A) measures said operational value.

10. (Cancelled):

11. (New): A fuel management system according to Claim 1, wherein,

the remaining fuel volume calculation means (54) which calculates operating hours of said working machine based on the measurement value measured by said operational value measurement means (11A) included in said machine information, obtains a volume value of fuel which ought to have been consumed by said working machine (1) with reference to a fuel consumption table (92) based on said operating hours, subtracts said volume value of fuel which ought to have been consumed by said working machine (1) from a volume value stored in a previous time volume storage section (43), and calculates the expected remaining fuel volume value.